

National Institute of Technology, Tiruchirappalli:

Performa for CV of Faculty/ Staff Members

Curriculum Vitae

Brief Profile: **Dr. G. Thavasi Raja** was born in Tamil Nadu, India, in 1981. He received the B.E. degree in Electronics and Communication Engineering (ECE) from Madurai Kamaraj University, Tamil Nadu, India, in 2002 and the M.E degree in Communication Systems from Thiagarajar College of Engineering, Madurai affiliated to Anna University, Chennai, India in 2004. In June 2006, he joined as an Assistant Professor in the Department of Electronics and Communication Engineering (ECE), National Institute of Technology (NIT), Tiruchirappalli, India. He received Ph.D. in the Department of Electronics & Electrical Communication Engineering (E&ECE), Indian Institute of Technology (IIT), Kharagpur, India under Quality Improvement Program (QIP), sponsored by All India Council for Technical Education (AICTE), New Delhi, India in 2016. He was a Lecturer in Sri Sivasubramaniya Nadar (SSN) College of Engineering, Chennai, Tamil Nadu (September 2004-May 2006). He is the author of four research papers in international journals and two papers in conference proceedings. His research interest includes design of photonic crystal fibers, fiber amplifiers, fiber lasers and wireless communication systems. He is a member of the Institute of Electrical and Electronics Engineers (IEEE) in Communications and Photonics Society, USA, SPIE, Optical Society of India and Optical Society of America (OSA).

1. Name: Dr. G. Thavasi Raja
2. Designation: Assistant Professor
3. Office Address: Department of ECE, NIT Trichy
4. Telephone (Direct) (Optional): 0431 2503317
5. Email (Primary): thavasi@nitt.edu Email (Secondary) :
6. Field(s) of Specialization: Communications, Fiber optics and Photonics
7. Employment Profile

Job Title	Employer	From	To
Assistant Professor	NIT Trichy	01.06.2006	Till date

8. Academic Qualifications (From Highest Degree to High School):

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.D	IIT Kharagpur	2016	-	Fiber Optics and Photonics
M.E	Anna University	2004	Distinction	Communication Systems
B.E	Madurai Kamaraj University	2002	First Class	ECE
S.S.L.C & H.S.C	K.V.S school, Virudhnagar	1996-1998	-	Maths, Physics, Biology

National Institute of Technology, Tiruchirappalli:

Performa for CV of Faculty/ Staff Members

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
Warden	Zircon Hostels, MM-I, NIT Trichy	01.08.2016	Till date
Incharge, Digital Circuits and Systems Laboratory	E.C.E, NIT Trichy	15.08.2015	Till date

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To
External Examiner	NIT Karaikal	30.11.2016	30.11.2016
External Examiner	Thiagarajar College of Engg, Madurai	02.12.2016	02.12.2016

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization

12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)
2012-2015	QIP-Ph.D Fellowship	AICTE	July/2012	July/2015

13. Details of Academic Work

(i) Curriculum Development:

- Introduced new P.G elective courses: Fiber optics sensors, Photonic Integrated Circuits

(ii) Courses taught at Postgraduate and Undergraduate levels

- Digital Communications
- Photonic Integrated Circuits
- Modeling and Synthesis with Verilog HDL
- Digital Circuits and Systems

(iii) Projects guided at Postgraduate level

- LMA optical fibers
- Fiber based Supercontinuum sources
- VLSI testing

(iv) Other contribution(s)

- Proposed new Research laboratory in the area of Fiber optics and Photonics

**National Institute of Technology, Tiruchirappalli:
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14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed

15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award

16. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)

Date (s)	Title of Activity	Level of Event (International/ National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue

17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue

18. Invited Talks delivered

Topic	Date	Inviting Organization

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Member	IEEE	
Member	OSA	

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20. Academic Foreign Visits

Country	Duration of Visit	Programme

21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
G. Thavasi Raja and S. K. Varshney	Modified and double-clad large mode-area leakage channel fibers for extreme temperature conditions	<i>J. Opt. (IOP)</i>	vol.17	035706 (6pp)	Mar. 2015	
G. Thavasi Raja and S. K. Varshney	Extremely Large Mode-Area Bent Hybrid Leakage Channel Fibers for Lasing Applications	<i>IEEE J. Sel. Top. Quantum Electron.</i>	vol.20	pp.251-259	Sep/Oct. 2014	
G. Thavasi Raja and S. K. Varshney	Numerical analysis of lasing characteristics in highly bend-compensated large mode-area ytterbium-doped double-clad leakage-channel fibers	<i>Appl. Opt. (OSA)</i>	vol. 54	10314–10320	Dec. 2015	

(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year

(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number